L 12461-65 EWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4 RM

ACCESSION NR: AP4047408 S/0062/64/000/010/1906/1908

AUTHOR: Kudryavtsev, Yu. P.; Sladkov, A. M.; Korshak, V. V.

TITLE: Oxidative polydehydrocondensation of p-diethynylbenzene and acetylene in the presence of p-substituted phenylacetylenes

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 10, 1964, 1908

TOPIC TAGS: polyyne, oxidative polydehydrocondensation, polyacetylene

ABSTRACT: To prepare low-molecular-weight polyyne oligomers suitable as standards for IR spectroscopy, the oxidative polydehydrocondensation of p-diethynylbenzene or acetylene in the presence of p-iodo, p-bromo-, p-(methoxy)-, p-nitro-, p-tert-butyl-phenylacetylene, or α-naphthylacetylene was carried out. Elemental analysis and IR spectroscopy confirmed that the type of p-substituent affects the reaction rate: electron donors facilitate it and electron acceptors inhibit it. In all cases the p-substituted phenylethynyl groups (A)

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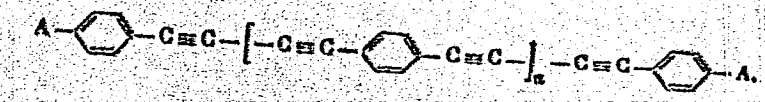
were the end groups:



In the case of acetylene and p-nitrophenylacetylene, only p,p'-dinitrodiphenylbutadiene was obtained. The oligomer of p-diethynylbenzene and p-iodophenylacetylene had an mp of 68--69C. Orig. art. has: 2 formulas.

ASSOCIATION: Institut elementoorganicheskikh soyedinenij Akademii nauk SSSR (Institute of Organoelemental Compounds, Academy of Sciences, SSSR).

SUBMITTED: 09Mar64 ATD PRESS: 3126 ENCL: 00
SUB CODE: GC NO REF SOV: 003 OTHER: 001

Card 2/2

L 8900-65 EWT(1)/EPA(s)-2/EWG(k)/EWT(m)/EWP(j)/T Pz-6/Pc-4/Pt-10 ESD(dp)/
ASD(a)-5/ESD(t)/AFWL/RAEM(t) AT/RM

ACCESSION NR: AP4045633 S/0020/64/158/002/0389/0392

AUTHOR: Kudryavtsev, Yu. P.; Sladkov, A. M.; Aseyev, Yu. G.; Nedoshivin, Yu. N.; Kasatochkin, V. I.; Korshak, V. V. (Corresponding member AN SSSR)

TITLE: Study of the properties and structure of carbyne

SOURCE: AN SSSR. Doklady*, v. 158, no. 2, 1964, 389-392

TOPIC TAGS: organic semiconductor, semiconducting polymer, dehydrochlorination, polyacetylene

ABSTRACT: Polymers containing conjugated polyyne groups in the backbone have been studied by IR and EPR spectroscopy. The polymer samples were prepared by dehydrochlorination of poly(vinylidene chloride): 1) with sodium amide in liquid ammonia; 2) with sodium amide in tetrahydrofuran; 3) as in (2), but with further treatment with sodium methylate in boiling methanol; and 4) with fusion with sodium metal. IR spectra of the samples were recorded and compared with those of polyynes prepared by oxidative polycondensation of acetylene. In all cases except that of sodium fusion, absorption bands corres-

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ACCESSION NR: AP4045633

ponding to the C≡C bond were found. It was concluded that poly(vinylidene chloride) dehydrochlorination is a suitable preparative method for polyyne or, at least, for fragments thereof. All of the samples gave a narrow EPR signal, with a g-factor close to that of a free electron and a line width of 5—9 oe; the unpaired electron concentration rose with the degree of dehydrochlorination. Orig. art. has: 1 formula and 3 figures.

ASSOCIATION: Institut elementoorganicheskikh soyedinenly Akademii nauk SSSR (Institute of Organoelemental Compounds, Academy of Sciences SSSR)

SUBMITTED: 30Apr64 ATD PRESS: 3109 ENCL: 00

SUB CODE: MT, SS NO REF SOV: 004 OTHER: 001

Card 2/2

KUDRYAVTSEV, Yu.P.; SLADKOV, A.M.; ASEYEV, Yu.G.; NEDOSHIVIN, Yu.N.; KASATOCHKIN, V.I.; KORSHAK, V.V.

Properties and structure of polyyne. Dokl. AN SSSR 158 no.2:389-392 S '64. (MIRA 17:10)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. 2. Chlen-korrespondent AN SSSR (for Korshak).

L 28456-66 EWP(e)/EWT(m)/EWP(j)/T IJP(c) WW/RM/WH

ACC NR: AP6018060 (A) SOURCE CODE: UR/0020/66/168/003/0599/0602

AUTHOR: Rabinovich, I. B.; Lebedev, B. V.; Sladkov, A. M.; Kudryavtsev, Yu. P.; Martynenko, L. Ya.; Korshak, V. V. (Corresponding member AN SSSR)

ORG: Gorkiy State University im. N. I. Lobachevskiy (Gor'kovskiy gosudarstvennyy universitet); Institute of Heteroorganic Compounds, Academy of Sciences SSSR (Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR)

TITLE: Carbon polymer with increased heat capacity

SOURCE: AN SSSR. Doklady, v. 168, no. 3, 1966, 599-602

TOPIC TAGS: linear polymer, carbon polymer, chain polymer, polymer cross linking, carbyne, semiconducting polymer, heat capacity

ABSTRACT: The heat capacity of synthesized carbyne has been measured in the 80—300K range to determine the structure of this carbon polymer in view of the increasing interest in semiconductor and thermal properties of the simplest linear chain polymer with conjugated bonds — the carbon polymer. Carbyne in the form of a black, fine-grain product, stable in air and containing 99.5% C, was synthesized by oxidation-polydehydrocondensation of acetylene in the presence of bivalent copper. Heat capacity C_p measurements were carried out in helium atmosphere

Card 1/2 UDC: 541.12

L 28456-66

ACC NR: AP6018060

with 0.001° accuracy. The C_p value was accurate to 0.5%. For the purpose of comparison, C_p was also measured in Acheson graphite, C-3 domestic graphite, and acetylene black. Heat capacity was found to vary in the sequence: diamond < graphite < acetylene black < carbyne. Heat capacity of all nine carbyne samples was significantly higher than that of graphite, although different in each sample. This difference in C_p from one carbyne sample to another was correlated with the different ratio of the chain to lamellar structure, i.e., with partial cross-linking of carbon chains. The samples with highest C_p were assumed to have a low degree of cross-linking, therefore to be nearly linear carbon polymers, since the value of n in the formula $C_p = AT^n$ was nearly 1 for these samples. The n value for other samples was 1.2—1.5. Therefore, it was concluded that the products synthesized as described were different from graphite and had a lamellar-chain structure. Orig. art. has: 2 figures and 2 tables. [JK]

SUB CODE: 07/ SUBM DATE: 28Oct65/ ORIG REF: 012/ OTH REF: 007
ATD PRESS: 5005

Card 2/2

L 05702-67 EWP(j)/EWT(m)/T/EWP(v) IJP(c) RM/DS/WW (2)

ACC NR: AP6026355 SOURCE CODE: UR/0237/66/000/005/0027/0030

AUTHOR: Sidaravichyus, I.; Levina, F. A.; Rybalko, G. I.; Sladkov, A. M.; Myl'nikov, V. S.; Kudryavtsev, Yu. P.; Ukhin, L. Yu.

ORG: none

TITLE: Electrophotographic layers with photosemiconducting acetylenic polymeric compounds

SOURCE: Optiko-mekhanicheskaya promyshlennost', no. 5, 1966, 27-30

TOPIC TAGS: electrophotography, organic semiconductor, semiconducting polymer, copper compound, acetylene compound

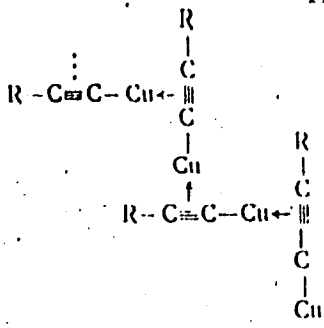
ABSTRACT: The article reviews reported studies of new electrophotographic layers. Semiconducting organic polymeric compounds containing triple bonds in the conjugation chain (polyynes) have been found to display a high photoelectric sensitivity and very short times of photoeffect relaxation. The structure of these compounds is

$$R-C\equiv C-\left[-C\equiv C-R_1-C\equiv C-\right]_n C\equiv C-R$$

$$\left[-C\equiv C-R_1-C\equiv C-\right]_n$$

Card 1/3 UDC: 772.93

where R and R_1 are organic radicals which may or may not contain functional groups, e. g., R - p-phenyl, p-nitrophenyl, p-iodophenyl, butyl, α-naphthyl, and R_1 - divalent radicals of benzene, azobenzene, anthracene and 9,10-dihydrohydroxyanthracene. A high photoelectric sensitivity has also been observed in copper acetylides of the form



where R are organic radicals which may or may not contain functional groups, e.g., phenyl, nitrophenyl, halogenated phenyl, naphthyl, or butyl. The use of polyvinylcarbazole as a binder for polyynes and copper acetylides has given very good results. Spectral sensitization of the photoconductive effect of the polyynes can be achieved with organic dyes. It is concluded that organic semiconductors are very useful in electrophotography and that highly sensitive electrophotographic layers can be pre-

L 05702-67

ACC NR: AP6026355

pared from them. Authors are sincerely grateful to Academician A. N. Terenin for supervising the work. Orig. art. has: 1 table.

SUB CODE: 14/ SUBM DATE: 01Nov65/ ORIG REF: 010/ OTH REF: 015

Card 3/3

KUDRYAVTSEV, Yu.V.

Continuous line for finishing cast bicycle cylinders. Biul. tekh.-ekon. inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 18 no.6:30-32 Je '65. (MIRA 18:7)

KUDRYAVTSEV, Z.P. (Dneprodzerzhinsk, Korolenkovskaya ul., 54, kv.2)

Perforation of the cecum in a newborn infant. Vest. Khir. 91 no.10:102 O '63. Vest. Khir. 91 no.10:102 O '63.
(MIRA 17:7)

1. Iz 9-y gorodskoy bol'nitsy (glavnyy vrach - Yu.G. Reshetnikov) Dneprodzerzhinska.

KUDRYAVTSEV, Z.P. (Dneprodzerzhinsk, ul.Korolenkovskaya, d.54, kv.2)

Case of a supplementary pancreas. Nov.khir.arkh. no.4:104-105 Jl-Ag '59. (MIRA 12:11)

1. Khirurgicheskoye otdeleniya (zav. - R.K.Krikent) 1-y Dneprodzerzhinskoy gorodskoy bol'nitsy.
(PANCREAS)

KUDRIAVTSEV-SKAIF, S.

Rozhdenie radio. [The origin of radio]. Leningrad, 1935.

Russkii flot-kolybel' radio. [The Russian navy--the cradle of radio]. Moskva, Voen.-morskoe izd-vo, 1945. 31 p. illus., port. DLC: TK6545.P6K8

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

Name: KUDRYAVTSEV-SKAYF, S.

Author of book, "Development of Radio". This book treats the development of radio in Russia since 1900. The topics covered are as follows: radio development before A.S. Popov, and Popov's biography and inventions in the field of radio.

REF: Radio Front #15-16, p.95, 1938

KUDRYAVTSEV-SKAYA, S.; STREKHNIN, G.F., redaktor; SLEPTSOVA, Ye.N., tekhnicheskiy redaktor.

[Radio, the child of the Russian navy] Radio-detishche russkogo flota. Moskva, Voenno-morskoe izd-vo voenno-morskogo Ministerstva Soiuza SSR, 1951. 95 p. (MLRA 8:11)
(Radio--History)

KUDRYAVTSEVA, A.

8
(3)

... THE PERIOD OF THE POLYDISINTEGRATION OF P^{84}. K. Baskova and A. Kudryavtseva (Leningrad State Univ., Russia). Zhur. Eksptl'. i Teoret. Fiz. 23, 463(1952) Oct. (In Russian)

The time for the polydisintegration of Po^{84} is 3.03 ± 0.02 min. The decay curve is given. (tr-auth)

Nuclear Science Abstracts
July 15, 1954
Physics

9-21-54
RMZ

KUDRYAVTSEVA, A.

3

S/048/62/026/001/011/018
B125/B102

AUTHORS: Wang Fu-chün, Vizi I., Gromov, K., Dzhelepov, B., Zhelev, Zh., Kudryavtseva, A., and Yazvitskiy, Yu.

TITLE: Eu^{149} decay scheme

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 1, 1962, 114 - 119

TEXT: The authors continued to study the spectrum of Eu^{149} conversion electrons ($T_{1/2}$ = 90 days) by means of a β-spectrometer with triple focusing of the beam (B. S. Dzhelepov et al., Preprint OIYaI, P-587. Dubna, 1960). The europium preparation was separated from a target irradiated by 660-Mev protons on the synchrocyclotron of the OIYaI. Three months after the irradiation the lines Eu^{147} ($T_{1/2}$ = 25 days), Eu^{148} (58 days), Eu^{149} (~90 days), Gd^{146} (45 days), Gd^{151} (120 days), and Gd^{153} (240 days) were observed. The specimens contained a small amount of gadolinium impurities. Besides an intense X-ray line the Eu^{149} spectrum

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Eu^{149} decay scheme

shows the groups with 256 - 279, 330 - 352, and 508 - 530 kev with a half life of (90 ± 20) days. The strong conversion line with ~20 kev has a half life of ~100 days. It is mainly due to Eu^{149} and to a lesser degree to gadolinium impurities. A measurement made with a single counter after purifying the europium preparation from gadolinium showed that the relative intensity of the above lines with 20.2 kev, and the relative intensities of the additional 14.3-kev and K279 lines of Eu^{149} were the same as before the purification. This proves that the 14.3- and 20.2-kev lines (L- and M-lines of the 22-kev transition) belong to Eu^{149}. The parameters of the Eu^{149} conversion electrons are given in the Table.

Fig. 2 shows the Eu^{149} decay scheme suggested by the presence of three 22-kev transitions and that of a γ-transition with 22 kev. It was verified by studying the γ-spectrum and some spectra of the γ-coincidences on Eu^{149} decay by means of a scintillation γ-spectrometer. This instrument is based on the fast-slow recording of the coincidences with summation. The coincidence circuit БДС-1 (BDS-1) operates at close

quantum energies in the cascade to be studied when the time resolution is $2 \cdot 10^{-7}$ sec and with a considerable difference of the quantum energies when the time resolution is $6 \cdot 10^{-7}$ sec. The 180- and 350-kev γ-rays observed with a time resolution of $2 \cdot 10^{-7}$ sec in the γγ-coincidences spectrum and the lacking of coincidences of 256- and 279-kev γ-rays confirm the decay scheme shown in Fig. 2. No cascade was found to start from 352 kev. In some experiments with reduced time resolution of $6 \cdot 10^{-7}$ sec the 509 - 530, 330 - 352, 250 - 279 and 178-kev γ-rays coincide with X-rays. Besides, a coincidence of 22-kev γ-rays with X-rays was observed. Owing to the observed coincidences with the X-rays the lifetime of the excited Sm^{149} levels shown in Fig. 2 is less than 10^{-6} sec. There are 8 figures, 1 table, and 3 Soviet references.

Fig. 2. Eu^{149} decay scheme.

Table. Data on Eu^{149} conversion lines.
Legend: (1) Conversion line observed; (2) relative intensity of conversion line; (3) results obtained by the authors.

KUDRYAVTSEVA, A. A. ID NUMBER 941497

Metodika i teknika postanovki polevogo opyta ha statsionarnykh uchastkakh, 2d Edition. Moscow, 1949. 270p.

The book deals with methods and techniques for field experiments in agriculture, including planting and harvesting, fertilization, and soil processing, calculation and documentation of experiments, etc; published by the Publishing House of Agricultural Literature.

BENEDIKTOV, I.A., redaktor; GRITSENKO, A.V., redaktor; IL'IN, M.A., zamestitel' glavnogo redaktora, LAPTEV, I.D., LISKUN, Ye.F.; LOBANOV, P.P., glavnyy redaktor; LYSENKO, T.D.; SKRYABIN, K.I.; STOLETOV, V.N.; PAVLOV, G.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SOKOLOV, N.S., professor, nauchnyy redaktor; ANTIPOV-KARATAYEV, I.N., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KARPINSKIY, N.P., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHESTAKOV, A.G., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; RUBIN, B.A., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KOMARNITSKIY, N.A., dotsent, nauchnyy redaktor; LYSENKO, T.D., akademik, nauchnyy redaktor; POLYAKOV, I.M., professor, nauchnyy redaktor; SHCHEGOLEV, V.N., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; YAKUSHKIN, I.V., akademik, nauchnyy redaktor; LARIN, I.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; SMELOV, S.P., professor, doktor biologicheskiy nauk, nauchnyy redaktor; EDEL'SHTEYN, V.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHCHERBACHEV, D.M., professor, doktor meditsinskikh nauk, nauchnyy redaktor; OGOLEVETS, G.S., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; YAKOVLEV, P.N., akademik, naychnyy redaktor; YEKIMOV, V.P., agronom, nauchnyy redaktor [deceased], EYTINGEN, G.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; TIMOFEYEV, N.N., professor, nauchnyy redaktor; TUROV, S.I., professor, doktor biologicheskikh nauk; YUDIN, V.M., akademik, nauchnyy redaktor; LISKUN, Ye.F., akademik, nauchnyy redaktor; VITT, V.O., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KALININ, V.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor;

(Continued on next card)

BENEDIKTOV, I.A.---- (continued) Card 2.
GREBEN', L.K., akademik, nauchnyy redaktor; NIKOLAYEV, A.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; RED'KIN, A.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SMETNEV, S.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POPOV, I.S., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; MANTEYFEL', P.A., professor nauchnyy redaktor; INIKHOV, G.S., professor, doktor khimicheskikh nauk, nauchnyy redaktor; ANFIMOV, A.N., professor, nauchnyy redaktor; GUBIN, A.F., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POLTEV, V.I., professor, doktor veterinarnykh nauk, nauchnyy redaktor; LINDE, V.V., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; CHERGAS, B.I., professor, doktor biologicheskikh nauk, nauchnyy redaktor; NIKOL'SKIY, G.V., professor, nauchnyy redaktor; AVTOKRATOV, D.M., professor, doktor veterinarnykh nauk, nauchnyy redaktor; IVANOV, S.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; VIKTOROV, K.P., professor, doktor veterinarnykh nauk, nauchnyy redaktor; KOLYAKOV, Ya.Ye., professor, doktor veterinarnykh nauk, nauchnyy redaktor; ANTIPIN, D.N., professor, doktor veterinarnykh nauk, nauchnyy redaktpr; MARKOV, A.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; DOMRACHEV, G.V., professor, doktor veterinarnykh nauk, nauchnyy redaktor; OLIVKOV, B.M., professor, doktor veterinarnykh nauk nauchnyy redaktor [deceased]; FLEGMATOV, N.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; BOLTINSKIY, V.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; VIL'YAMS, V.P., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; KRASNOV, V.S., kandidat tekhnicheskikh nauk, nauchnyy redaktor;

(Continued on next card)

BENEDIKTOV, I.A.---(continued) Card 3.
YEVREINOV, M.G., akademik, nauchnyy redaktor; SAZONOV, N.A., doktor tekhnicheskikh nauk, nauchnyy redaktor; NIKANDROV, B.I., inzhener, nauchnyy redaktor; KOSTYAKOV, A.N., akademik, nauchnyy redaktor; CHERKASOV, A.A., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; DAVITAYA, F.F., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; IVANOV, N.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; ORLOV, P.M., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor, LOZA, G.M., kandidat ekonomicheskikh nauk, nauchnyy redaktor; CHERNOV, A.V., kontrol'nyy redaktor; ZAVARSKIY, A.I., redaktor; ROSSOSHANSKAYA, V.A., redaktor; FILATOVA, N.I., redaktor; YEMEL'YANOVA, N.I., redaktor; SILIN, V.S., redaktor BRANZBURG, A.Yu., redaktor; MAGNITSKIY, A.V., redaktor terminov; KUDRYAVTSEVA, A.G., redaktor terminov; AKSENOVA, A.P., mladshiy redaktor; MALYAVSKAYA, O.A., mladshiy redaktor; FEDOTOVA, A.F., tekhnicheskiy redaktor

(Continued on next card)

BENEDIKTOV, I.A.---(continued) Card 4.

[Agricultural encyclopedia] Sel'skokhoziaistvennaia entsikolopediia. Izd.3-e, perer. Moskva, Gos. izd-vo selkhoz. lit-ry. Vol.5. [T-IA.] 1956. 663 p. (MLRA 9:9)
(Agriculture--Dictionaries and encyclopedias)

KUDRYAVTSEVA, A.A.

SOV-3-58-10-22/23

AUTHOR: Kudryavtseva, A.A., Candidate of Agricultural Sciences, and Tsvetayeva, Ye.M., Senior Scientific Worker

TITLE: The Golitsyn Advanced Agricultural Courses for Women (Vysshiye zhenskiye golitsynskiye sel'skokhozyaystvennyye kursy)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 10, pp 91 - 95 (USSR)

ABSTRACT: The authors give a review of female education in pre-revolutionary Russia and turn then to the Golitsyn Higher Agricultural Courses for Women which were established 50 years ago. They give an account of its development up to 1922 when the courses were merged with the Timiryazev Agricultural Academy. There are 8 Soviet references.

Card 1/1

KUDRYAVTSEVA, A.A.

[Methods and techniques of setting up a experiment at permanent field stations]Metodika i tekhnika postanovki polevogo opyta na statsionarnykh uchastkakh. 3. izd. dop. i ispr. Moskva, Gos. izd-vo selkhoz.lit-ry, 1959. 318 p. (MIRA 16:1)
(Agriculture—Experimentation)

KUDRYAVTSEVA, A.D.

Performance characteristics of drying systems for staples. Izv.-vys.ucheb.zav.; tekh.tekst.prom. no.1:139-142 '62. (MIRA 15:3)

1. Leningradskiy tekstil'nyy institut im. S.M.Kirova.
(Drying apparatus) (Textile fibers, Synthetic)

AZIZOV, Abdul-Karim Abdulovich; ABROSIMOV, Vasiliy Il'ich; KUDRYAVTSEVA, Anna Fedorovna; KOROTOVSKIY, M.P., red.; OSADCHIY, F.Ya., red.; PROKHOROV, V.P., tekhn.red.

[Light industry of Kazakhstan and prospects for its development] Legkaia promyshlennost' Kazakhstana i perspektivy ee razvitiia. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1960. 245 p. (MIRA 13:7)

(Kazakhstan--Manufactures)

ACC NR: AP6033440 SOURCE CODE: UR/0051/66/021/004/0476/0481

AUTHOR: Rudyavskaya, I. G.; Kudryavtseva, A. G.; Kislovskiy, L. D.

ORG: none

TITLE: Transmission of coated silicon in the long wave infrared region of the spectrum

SOURCE: Optika i spektroskopiya, v. 21, no. 4, 1966, 476-481

TOPIC TAGS: silicon, optic coating, ir spectrum, optic transmission

ABSTRACT: The authors have measured in the 20 — 100 nm range the spectra of silicon coated with a layer of silicon dioxide to enhance its transmission. The transmission spectra were measured with a long-focus infrared spectrometer (DIKS-1), with an echelette grating of 6 lines/mm. The filters used to eliminate the extraneous radiation and to reduce the level of the scattered radiation to less than 5% are described. The spectral width of the slit was 1 — 2 nm, and the accuracy with which the transmission was determined was 2 — 3%. Samples of different coating thickness were measured. The results showed that the position of the transmission maximum (λ_{max}) changed appreciably, from 42 to 90 nm, as the thickness of the coating was varied. The largest attainable transmission was 90%. The optical characteristics of the coating are tabulated, and ways of further improving the coating efficiency are

Card 1/2 UDC: 535.345.1 = 14:546.28 + 535.391.5

ACC NR: AP6033440

discussed. The authors thank M. G. Yaroslavskiy and N. V. Suykovskaya for interest in the work and L. V. Konovalov for carrying out part of the measurements. Orig. art. has: 4 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 15Apr65/ ORIG REF: 007/ OTH REF: 005

Card 2/2

DAVIDSON, A.M.; KUDRYAVTSEVA, A.G.

Investigating temperature distribution along the length of the flame of a copper smelting reverberatory furnace with the help of a modeling machine. Izv. vys. uchob. zav.; tsvet. met. 8 no.3:116-120 '65. (MIRA 18:9)

1. Severokavkazskiy gornometallurgicheskiy institut, kafedra obshchey metallurgii.

KUDRYAVTSEVA, A. I.

Medicine (ZB)

DECEASED
c.'62

1962/11

see ILC

KUDRYAVTSEVA, A. M.

Vishnevskiy, A. A. and Kudryavtseva, A. M. "On the technique of removing foreign matter from the cardial cavity by means of an electromagnet", Sbornik trudov, posvyashch. prof. Sabinykh, Tomsk, 1948,p. 231-33.

So: U-3261, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

KUDRYAVTSEVA, A. M.

"On Foreign Bodies in the Heart and Their Operative Removal With the Help of a Magnet." Cand Med Sci, Acad Med Sci USSR, Moscow, 1954. (KL, No 4, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

KUDRYAVTSEVA, A.M.

VISHNEVSKIY, A.A.; SMELOVSKIY, S.I.; pri uchasti N.K.Galankina, A.M. Kudryavtsevoy, G.Ye.Perchikovoy, I.I.Savchenkova (Moskva)

Surgical treatment of mitral stenosis with local anesthesia. Klin. med. 33 no.2:3-12 F '55. (MLRA 8:5)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo AMN SSSR (dir. prof. A.A.Vishnevskiy) i Instituta terapii AMN SSSR (dir. prof. A.L.Myasnikov).

(ANESTHESIA, LOCAL, in mitral stenosis surg.)

KUDRYAVTSEVA, A.M.

Surgical removal of foreign bodies form the heart with the aid of a magnet. [with summary in English]. Eksper.khir. 1 no.1:34-39 Ja-F'56 (MIRA 11:10)

1. Iz Instituta khirurgii imeni A.V. Vishnevskogo AMN SSSR (dir.-chlen-korrespondent AMN SSSR prof. A.A. Vishnevskiy).

(HEART, foreign bodies
surg. removal with magnet (Rus))
(FOREIGN BODIES,
heart, surg. removal with magnet (Rus))

BAFTSHKINA, M.M.; KUDRYAVTSEVA, A.M.

Anesthetic properties of xylocaine [with summary in English] Eksper. khir. 1 no.5:32-38 S-O '56. (MLRA 10:2)

1. Is Instituta khirurgii imeni A.V.Vishnevskogo (dir. - chlen-korrespondent AMN SSSR prof. A.A.Vishnevskiy) AMN SSSR.
(LIDOCAINE, eff anesth. and analgesia
anesth. properties)

KUDRYAVTSEVA, A.M., kandidat meditsinskikh nauk

Diagnosis and treatment of patent ductus arteriosus [with summary in English]. Khirurgiia 33 no.5:121-126 My '57. (MIRA 10:8)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo (dir. - chlen-korrespondent AMN SSSR zasluzhennyy deyatel' nauki professor A.A. Vishnevskiy) AMN SSSR

(DUCTUS ARTERIOSUS, PATENT
diag. & surg. (Rus))

BURAKOVSKIY, V.I., KUDRYAVTSEVA, A.M., KHARNAS, A.S.

First results of the use of artificial blood circulation in surgical treatment of tetraology of Fallot [with summary in English].
Eksper.khir. 3 no.3:31-41 My-Je '58 (MIRA 11:8)

1. Iz Instituta khirurgii imeni A.V. Vishnevskogo (dir. - deystvitel'nyy AMN SSSR prof. A.A. Vishnevskiy AMN SSSR.

(HEART, artif.
extracorporeal circ. in tetralogy of Fallot (Rus))
(TETRALOGY OF FALLOT, surg.
open heart surg. using extracorporeal circ. (Rus))

SERGEYEVA, K.A., kand.med.nauk; KUDRYAVTSEVA, A.M., kand.med.nauk (Moskva)

Some hemodynamic indications in patients with patent ductus arteriosus; preliminary report. Klin.med. 37 no.7:23-27 Jl '59. (MIRA 12:10)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof.A.A.Vishnevskiy).
(DUCTUS ARTERIOSUS surg.)

KUDRJAVCEVA, A.M.

KUDRJAVCEVA, A.M., Kand. lek. ved.

Diagnosis and surgical therapy of patent ductus arteriosus.
Rozhl. chir. 38 no.12:828-830 D '59

1. Chirurgicky ustav A. V. Visnevskeho, Akademie lekarskych ved SSSR, reditel clen korespondent Akademie lekarskych ved SSSR, zasloužily vedecky pracovnik prof. A. A. Visnevskij.
(DUCTUS ARTERIOSUS)

VISHNEVSKIY, A.A.; DARBINYAN, T.M.; KUDRYAVTSEVA, A.M.; KHARNAS, S.Sh.

Hypothermia and extracorporeal blood circulation in heart surgery. Eksp.khir.i anest. 6 no.2:3-14 '61. (MIRA 14:10)
(PERFUSION PUMP (HEART)) (HYPOTHERMIA)

VISHNEVSKIY, A.A., prof.; GALANKIN, N.K., doktor med. nauk; ARAPOV, A.D.; AKHMETOV, A.M.; VINITSKAYA, R.S., kand. biol. nauk; VOLYNSKIY, Yu.D.; DARBINYAN, T.M., kand. med. nauk; DONETSKIY, D.A., kand. med. nauk; KLEMENOVA, Ye.S.; KUDRYAVTSEVA, A.M., kand. med. nauk; KRYMSKIY, L.D., kand. med. nauk; LOKSHINA, K.A.; MAZAYEV, P.N., prof.; PANOVA, Yu.M.; PROMTOVA, T.N., kand. biol. nauk; PYL'TSOV, I.M.; SERGEYEVA, K.A., kand. med. nauk; KHARNAS, S.Sh., kand. med. nauk; KHRUSHCHEVA, kand. med. nauk; TSUKERMAN, B.M., kand. biol. nauk; SHIK, L.L., prof.; GOL'DGAMMER, K.K., red.; BALDINA, N.F., tekhn. red.

[Congenital defects of the heart and large vessels]Vrozhdennye poroki serdtsa i krupnykh sosudov; rukovodstvo dlia vrachei. Moskva, Medgiz, 1962. 577 p. (MIRA 16:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Vishnevskiy).

(CARDIOVASCULAR SYSTEM--DISEASES)

KUDRYAVTSEVA, A.M. (Moskva, Leninskiy prosp., d. 87-a, korp.1, kv.52)
VOLYNSKIY, Yu.D.

Changes in the pulmonary circulation in patent ductus arteriosus. Grud. khir. 5 no.6:48-52 N-D'63 (MIRA 17:2)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo (direktor - deystvitel'nyy chlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR.

KUDRYAVTSEVA, L.P., Cand Biol Sci —(diss) "Effect of leguminous grain-grass mixtures on the nutrition regimen of dark-grey forest soil." Kazan', 1959. 18 pp (Min of Higher Education USSR. Kazan' Order of Labor Red Banner State U im V.I. Ul'yanov-Lenin), 175 copies (KL,29-59, 127)

LOYTSYANSKAYA, M.S.; SKULKOV, G.S., otv.za vyp.; KUDRYAVTSEVA, A.P., otv. za vyp.; RYBAKOVA, L.G., tekhn. red.

[Microbiological foundations of the production of vinegar] Mikrobiologicheskie osnovy proizvodstva uksusa. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 35 p. (MIRA 16:4)
(VINEGAR—MICROBIOLOGY)

ROGACHEV, V.I.; KHAKHINA, I.P.; ADAMSON, N.F., otv. za vyp.; KUDRYAVTSEVA, A.P., otv. za vyp.; MANVELOVA, Ye.S., tekhn. red.

[Technology of the production of potato chips] Tekhnologiia proizvodstva khrustiashchego kartofelia. Moskva, TsINTI-Pishchprom, 1963. 134 p. (MIRA 16:8)
(Potato chips)

87489

5.5310 1273, 1282, 1153

S/191/60/000/001/008/015
B016/B054

AUTHORS: Popkov, K. K., Lel'chuk, S. L., Kudryavtseva, A. S.

TITLE: Spectroscopic Determination of Impurities in Silicon - Copper Alloy and in Trichlorosilane

PERIODICAL: Plasticheskiye massy, 1960, No. 1, pp. 39-41

TEXT: The authors report on their methods of quantitative spectroscopic determination of: I) impurities in silicon - copper alloys (Si-Cu), which sometimes themselves deactivate the Si-Cu catalyst in small amounts, and disturb the synthesis of organosilicon compounds; they are: Fe, Mg, Al, Bi, Sn, Ti, Ca, and Sb; II) impurities in trichlorosilane serving as an intermediate for the production of pure silicon for semiconductor purposes, namely: Fe, Al, Mg, Pb, and Cu. I) A powdery alloy with a Cu content of 10-20% was investigated. An analysis by the three-standard method (Ref. 1) was made. Powdery Cu- and Si oxides were impregnated with aqueous salt solutions, and dried at 80-85%. The background of the continuous spectrum served as internal standard. Insoluble Ti-, Sb-, and Ca salts were added

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Spectroscopic Determination of Impurities in Silicon - Copper Alloy and in Trichlorosilane

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to the standards in a dry state diluted with Cu oxide. Cu oxide was used in an amount corresponding to 20% Cu in the standards. The second component of the standards was silicon of the semiconductor type with traces (about 0.005%) of Mg and Al. Table 1 shows the concentrations of impurities in the standards. The latter and the alloy samples were pulverized to a grain size of 0.05 mm. The samples were burnt in a preheated (to 800-900°C) graphite crucible (internal diameter 4 mm, depth 8mm) according to Giprotsvetmetobrabotka (State Design and Planning Scientific Research Institute for Working of Nonferrous Metals) in an electric arc (alternating current). Two spectra were taken during the combustion of one sample: 1) during 30 sec, and 2) during 40 sec. The lines of easily volatile impurities (Pb, Sb, Ca, Bi, St) were photometrically determined on a plate exposed in such a manner. Poorly volatile impurities (Fe, Ti, Mg, Al) were burnt in a smaller (3 × 4 mm) crucible under a layer of annealed coal for 40 sec. Table 2 shows the analytical lines and measurements of the background. On the basis of the measured values, the authors plotted a calibration diagram (Fig. 1). II) The determination of the mentioned impurities

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Spectroscopic Determination of Impurities in Silicon - Copper Alloy and in Trichlorosilane

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in trichlorosilane is based on a combustion of its hydrolysis product (white crystalline powder) in the electric arc as under I). The authors used the method of calibration diagrams (Fig. 2) plotted on the basis of standard samples. Otherwise, the methods were similar to those of part I). Table 3 shows the concentration intervals, in which the impurities in the standards were determined. The weighed portion was fully burnt up. The amounts of impurities were determined on the basis of analytical lines given in Table 4. The relative error in the cases I) and II) did not exceed 10%. Legend to Fig. 2: $I_{л}$ - I_{line}; $I_{ф}$ - I_{backgr}. There are 2 figures, 4 tables, and 3 Soviet references.

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B016/B054

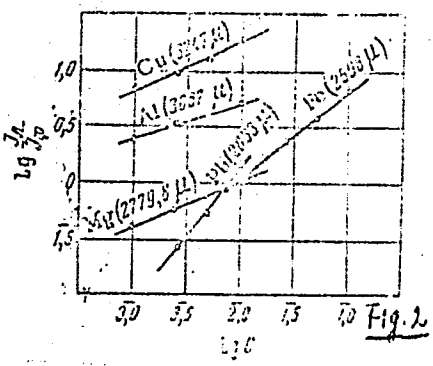

Fig. 2

Card 4/4

KUDRYAVTSEVA, A.S., inzh., red.; FROG, N.P., inzh., red.;
SHLEMOVICH, S.V., inzh., red.

[Instructions for designing rural water supply] Ukazaniia po proektirovaniiu sel'skokhoziaistvennogo vodosnabzheniia (SN 267-63). Moskva, Stroiizdat, 1964. 24 p.
(MIRA 17:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Kudryavtseva). 3. Vsesoyuznyy Gosudarstvennyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut vodokhozyaystvennogo stroitel'stva (for Frog). 4. Vsesoyuznyy gosudarstvennyy institut po proyektirovaniyu promyshlennykh zdaniy i sooruzheniy sel'skogo khozyaystva (for Shlemovich).

KUDRYAVTSEVA, A.S., inzh., red.; LOBACHEV, P.V., kand. tekhn. nauk, red.

[Instructions for designing interior drains for buildings] Ukazaniia po proektirovaniiu vnutrennikh vodostokov zdanii (SN 264-63). Moskva, Stroiizdat, 1964. 41 p. (MIRA 17:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Kudryavtseva). 3. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki (for Lobachev).

KUDRYAVTSEVA, A.S., inzh., red.; SMIRNOV, D.N., kand. tekhn. nauk, red.; PETROVA, V.V., red.izd-va; SHEVCHENKO, T.N., tekhn. red.

[Instructions SN 243-63 on the design, automation and dispatching of water-supply systems. Approved by the State Committee for Construction of the U.S.S.R. on June 6, 1963.
(MIRA 17:1)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Kudryavtseva). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii (for Smirnov).

KUDRYAVTSEVA, A.S.

On the "Norms and technical specifications for the design of sprinkler and fire-stream installations." Vod.i san.tekh. no.4:37-38 Ap '60. (MIRA 13:6)
(Fire extinction--Water supply)

KUDRYAVTSEVA, A.S., inzh., red.; PETROVA, V.V., red.izd-va; MIKHEYEV, A.A., tekhn. red.

[Construction specifications and regulations]Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.2.Sec.G.ch.4. [Indoor drainage in residential and public buildings; standards for design (SNiP II-G. 4-62)] Vnutrenniaia kanalizatsiia zhilykh i obshchestvennykh zdanii; normy proektirovaniia (SNiP II-G. 4-62). 1962. 11 p. (MIRA 16:3)

1. Russia (1923- U.S.S.R.)Gosudarstvennyy komitet po delam stroitel'stva.
(Drainage, House--Standards)

KUDRYAVTSEVA, A.S., inzh., red.; TUREK, G.A., inzh., red.; PETROVA, V.V., red.izd-va; BOROVNEV, N.K., tekhn.red.

[Constructions specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.2. Sec.G. ch.2. [Interior water pipes of industrial and auxiliary buildings of industrial enterprises; design standards] Vnutrennii vodoprovod proizvodstvennykh i vspomogatel'nykh zdanii promyshlennykh predpriiatii; normy proektirovaniia (SNiP II-G. 2-62). 1963. 16 p. (MIRA 16:10)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva SSSR (for Kudryavtseva). 3. Gosudarstvennyy trest sanitarno-tekhnicheskogo proyektirovaniya Glavnogo upravleniya proyektnykh rabot Ministerstva stroitel'stva SSSR pri Gosudarstvennom komitete po delam stroitel'stva SSSR (for Turek).

(Water pipes)

KUDRYAVTSEVA, A. V.

62/49T96

USSR/Nuclear Physics - Beta Decay Sep 49

"Tables on Beta-Decay: I, the tf Products," B. S. Dzhelepov, A. V. Kudryavtseva, Leningrad State U, 23 pp

"Zhur Eksper i Teoret Fiz" Vol XIX, No 9 MP. 761-83

Selected most reliable data available on decay periods, boundaries of spectra, and type of decay for 313 beta-active substances. Used this data to calculate the tf products. Submitted 4 May 49.

62/49T96

KUDRYAVTSEVA, A. V.

"On the Question of the Fine Structure of the Gamma-Lines of Rac," Zhur. eksper. i teoret. fiz., 20, No.2, 1950

KUDRYAVTSEVA, V.

4

USSR

Half-life of phosphorus-30. K. Baskova and A. Kur[illegible]seva. *Zhur. Eksptl. i Teoret. Fiz.*, 23, 483[illegible]; *Nature Abstr.*, 56A, 479 (1931).—Special expts. were carried out in order to establish more exactly the half-life of P^{30}, which was found to be 2.52 ± 0.02 min. R. O. H.

GROMOV, K.Ya.; DZHELEPOV, B.S.; ZHELEV, Zh.T.; KUDRYAVTSEVA, A.V.

Study of β^+-spectra and conversion electron spectra in Tb^{152}. Izv. AN SSSR. Ser. fiz. 25 no.9:1084-1087 '61. (MIRA 14:8)

1. Ob"yedinennyy institut yadernykh issledovaniy i Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.
(Terbium—Spectra)
(Internal conversion(Nuclear physics))

Ch[illegible]. Ya.; DZHELEPOV, B. S.; ZHELEV, Zh. T.; KUDRYAVTSEVA, A. V.; LEBEDEV, N. A.

"Investigations of the Positron Decay of Tm^{163}."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

OIYaI, LGU (Joint Inst Nuclear Res; Leningrad State Univ)

Ya.; DZHELEPOV, B. S.; ZHELEV, Zh. T.; KALINNIKOV, B. G.; KUDRYAVTSEVA, A. A.

"Positrons from the Decay of Ho^{160}."

"Concerning the Decay of Er^{161}."

Reports submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

OIYaI, LGU (Joint Inst Nuclear Res; Leningrad State Univ)

ARTEYEV [illegible], K. Ya.; DZHELEPOV, B. S.; ZHELEV, Zh. T.; KALINNIKOV, B. G.,
KUDRYAVTSEVA, A. V.

"Investigations of the Positron Spectra of Lu^{167}, Lu^{169}, and Lu^{170}."

Report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

OIYaI, LGU (Joint Inst Nuclear Res; Leningrad State Univ)

ZHELEV, Zh.T.; KALINNIKOV, V.G.; KUDRYAVTSEVA, A.V.; LEBEDEV, N.A.; MAKAROV, S.P.; MUZIOL', G.; KHERRMANN, E.

The new isotopes Er^{157}, Ho^{157}, and Er^{156}. IAd. fiz. 2 no.5:956-957 N '65. (MIRA 18:12)

1. Ob"yedinennyy institut yadernykh issledovaniy.

BRODER, D.L.; KONDRASHOV, A.P.; KUDRYAVTSEVA, A.V.

Some methods for reducing the fluxes of penetrating secondary gamma radiation. Atom. energ. 19 no.5:444-445 N '65.
(MIRA 18:12)

L 23256-66 EWT(m) DIAAP

ACC NR: AP6009155 SOURCE CODE: UR/0367/65/002/005/0956/0957

AUTHOR: Zhelev, Zh. T.; Kalinnikov, V. G.; Kudryavtseva, A. V.; Lebedev, N. A.; Makarov, S. P.; Muziol', G.; Khorrmann, E.

ORG: Joint Institute of Nuclear Research (Ob"yedinennyy institut yadernykh issledovaniy)

TITLE: New isotopes Er^{157}, Ho^{157}, and Er^{150} 30

SOURCE: Yadernaya fizika, v. 2, no. 5, 1965, 956-957 B

TOPIC TAGS: erbium, holmium, isotope, half life

ABSTRACT: The search for new erbium and holmium isotopes was made with the aid of a magnetic β spectrometer with three successive foci and with a scintillation γ spectrometer. The compounds for the investigation were separated chromatographically from a tantalum target bombarded with 660-Mev protons in the OIYaI synchrocyclotron. The chemical separation of the rare earths started approximately ten minutes after the end of the irradiation, and that of the erbium and holmium fractions after two hours. The genealogical connections were investigated in the following proposed chains of decay reaction:

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L 23256-66

ACC NR: AP6009155

$Er^{157} \xrightarrow{?} Ho^{157} \xrightarrow{?} Dy^{157} \xrightarrow{8.2\ hr} Tb^{157}$,

$Er^{156} \xrightarrow{?} Ho^{156} \xrightarrow{57\ min} Dy^{156}$ (stable).

The half lives of Er^{157} and Ho^{157} were found to be 24^{+2}_{-4} and 18^{+2}_{-4} minutes, respectively. While the existence of Er^{157} and Ho^{157} was previously predicted in the literature, no data on the existence of Er^{156} have ever been published. The half life of Er^{156} could not be reliably identified, but an upper limit of 10--12 minutes was estimated for it. It is pointed out in the conclusion that observation of the same isotopes was subsequently reported by A. Gizon et al. (Phys. Nucl. Ann. 1964, Inst. du Rad., Paris, April, 1965) with somewhat different values of the half lives. Orig. art. has: 1 formula.

SUB CODE: 20/ SUBM DATE: 04Jun65/ ORIG REF: 001/ OTH REF: 001

Card 2/2 BLG

L 28358-66 EWT(m)

ACC NR: AP6001694 SOURCE CODE: UR/0089/65/019/005/0444/0445

AUTHOR: Broder, D. L.; Kondrashov, A. P.; Kudryavtseva, A. V. 29 B

ORG: None

TITLE: Some methods for reducing penetrating secondary gamma fluxes

SOURCE: Atomnaya energiya, v. 19, no. 5, 1965, 444-445 19

TOPIC TAGS: gamma flux, secondary emission

ABSTRACT: An abbreviated version of the original paper is presented. It was mentioned that experimental devices simulating the nuclear reactor cores and shields were used for studying secondary gamma radiations. The experimental model was made of either mixed layers composed of steel and hydrogenous materials or of monolithic blocks. In order to reduce secondary gamma fluxes, it was recommended that neutron absorbing agents (boron carbides, etc.) be added to thermal shielding and a similar absorbing layer be interposed between the vessel and hydrogenous shielding. The capture gamma radiation can also be diminished by a lead layer adjoining the vessel. The investigations showed that the lead (60 mm thick), boron carbide and boron steel (containing 2 to 3 pct of boron) are good materials for diminishing the capture gamma-ray yield. It was

Card 1/2 UDC: 539.121.73:539.122

L 28358-66

ACC NR: AP6001694

also proven that the gamma-attenuation coefficient decreased with the increase of shielding thickness up to four free-path lengths. The factor changed very little with further increase in thickness.

SUB CODE: 20 / SUBM DATE: 26Oct64 / ORIG REF: 000 / OTH REF: 000

Card 2/2 CC

KUDRYAVTSEVA, A. Ye.

Kudryavtseva, A. Ye. "Early appearance of tuberculosis in children," Trudy VI Vsesoyuz. s'yezda det. vrachey, posvyashch. pamyati prof. Filatova, Moscow, 1948, p. 343-49

SO: U-3264, 10 April 1953, (Letopis 'nykh Stately, No. 3, 1949

KUDRYAVTSEVA, A.Z.

USSR/Chemical Technology. Chemical Products and Their Application -- Dyeing and chemical treatment of textiles, I-16

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5843

Author: Tokar', Ye. G., Kudryavtseva, A. Z.

Institution: None

Title: Experience with the Use of a Schedule Regulator in the Production of Woolens

Original Publication: Tekstil'naya prom-st', 1956, No 4, 36-38

Abstract: The use of several schedule regulators at the Kupavinskaya mill has shown that as a result thereof there is attained a reduction in the amount of overdyed fabric, on the average to one half, a saving in steam by 12%, and work of the operators is facilitated. (Tekstil'naya prom-st', 1949, No 5, 33.) Extensive observations at the Kuntsevskaya mill, where instruments for automatic regulation of the temperature in accordance with a set schedule are installed in almost all the dyeing vats, have revealed that as a result of this measure the amount

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USSR/Chemical Technology. Chemical Products and Their Application -- Dyeing and chemical treatment of textiles, I-16

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5843

Abstract: of reprocessing, caused by uneven dyeing and differences in shade, has been decreased by ~40%, in comparison with a period during which temperature conditions were regulated by hand.

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L 38263-65 EWT(l)/EPR/EWA(h)/EWA(m)-2 Ps-4/Peb WW
ACCESSION NR: AP5008217 S/0286/65/000/005/0079/0080

AUTHORS: Viktorov, V. A.; Zotova, I. S.; Kudryavtseva, E. N.

TITLE: Cavity resonator level gauge with time sweep. Class 42, No. 168910

SOURCE: Byulleten' izobretenii i tovarnykh znakov, no. 5, 1965, 79-80

TOPIC TAGS: level gage, cavity resonator

ABSTRACT: This Author Certificate presents a cavity resonator level gauge with time sweep containing a high-frequency generator for excitation of electromagnetic oscillations in the container with the medium to be measured. For rapid response level measurement, to exclude dynamic measurement errors, and to simplify the design, an electronic measuring device is used, containing a frequency modulator, measuring sawtooth voltage generator, synchronization unit, peak detector, blocking device, and control trigger (see Fig. 1 on the Enclosure). The modulator periodically changes the generator frequency linearly from the maximum (corresponding to the resonance frequency of the empty container) to the minimum, corresponding to the resonance frequency of the full container. The synchronization unit triggers the measuring generator at the moment of coincidence of the high-frequency generator frequency with the resonance frequency corresponding

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ACCESSION NR: AP5008217

to the empty container. The peak detector measures the maximum value of the measuring generator sawtooth voltage. The blocking device removes the effect of the reverse sweep of the high-frequency generator on the results of the sawtooth generator measurements. The control trigger shapes the time signal, which is proportional to the value of the measured level. To compensate for errors caused by changes in the electromagnetic properties of the medium to be measured and by instabilities in the high-frequency generator and supply voltage, a correcting device is used which includes a measuring sawtooth voltage generator and a reference detector filled with the medium to be measured. The device produces a nonlinear deformation of the level gauge scale by changing the slope of the sawtooth voltage in correspondence with the resonance frequency of the reference detector. Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 15Apr63 ENCL: 01 SUB CODE: AC, EC

NO REF SOV: 000 OTHER: 000

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KUDRYAVTSEVA, F.A.; SHABASHOVA, Z.N.; GOLUBEVA, Kh.A.; YABLOKOVA, Z.I.; MOROZOV, P.A.; SOLOV'YEVA, A.G.

Using direct white dyes for the finishing of underewear cotton fabrics. Tekst.prom. 21 no.9:57 S '61. (MIRA 14:10)
(Cotton finishing)

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30980

Author : Kudryavtseva L.V.
Inst : -
Title : The Influence of Different Types of Feeding of Chicks on Their Growth and Development in the Early Period of Life
(Vliyaniye raznogo tipa kormleniya tsyplyat na ikh rost i razvitiye v ranniy period zhizni).

Orig Pub : Biol. nauchn. inform. Stalingr. gos. s.-kh. opytn. st., 1956, No 1, 48-49

Abstract : Experimentation was conducted on 3 groups of one-day old chicks, 100 chicks in each group. The first group was receiving rations consisting of 100% farinaceous feeds. The second group was fed 50% farinaceous and 50% groats rations, and from the age of 2 months - whole grain. The 3rd group was receiving 25 and 75% of the same rations, respectively, and from the age of 2 months,

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USSR/Farm Animals - Domestic Fowls. 4-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30980

instead of groats - while grain. The experimentation lasted 4 months. The chickens of the 1st group increased their weight 37 times, those in the 2nd group 30 times, and those of the 3rd group 29 times.

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KUDRYAVTSEVA, G. (Yaroslavl')

Valentina Tereshkova is a daughter of the working class. Sov. profsoiuzy 19 no.16:24-25 Ag '63. (MIRA 16:10)

ALEKSEYEV, Sergey Sergeyevich; KUDRYAVTSEVA, G.A., red.; MAKAROVA, A.N., tekhn.red.

[Liability for the failure to fulfill the plan of railroad freight transportation] Grazhdanskaia otvetstvennost' za nevypolnenie plana zheleznodorozhnoi perevozki gruzov. Moskva, Gos.izd-vo iurid.lit-ry, 1959. 175 p. (MIRA 13:7)
(Railroad law) (Railroads--Freight)

GRIBENSHCHIKOV, L.S., kand.tekhn.nauk; KUDRYAVTSEVA, G.A., inzh.

Aerodynamic equipment for checking vane-type anemometers. Bezop. truda v prom. 5 no.1:23-25 Ja '61. (MIRA 14:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh metallov, g. Ust'-Kamenogorsk.

(Anemometer—Testing)

KUDRYAVTSEVA, G. A.

"Data on the Parasitization of Cattle and Horses by Aedes Mosquitos." Cand Vet Sci, Moscow Veterinary Academy, Min Higher Education USSR, Moscow, 1955. (KL, No 11, Mar 55)

SO: Sum. No. 670, 29 Sep 55—Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

USSR/Zooparasitology - Mites and Insects as Disease Vectors. G.
Insects.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95343

Author : Kudryavtseva, G.A.
Inst : -
Title : On the Problem of Animal Toxicity to the Saliva of the Genus Aedes Mosquitoes.

Orig Pub : Zool. zh., 1956, 35, No 12, 1853-1858

Abstract : Tests for clarification of the prolonged effect on the organism of agricultural animals of mass infestation by mosquitoes showed that it leads to emaciation, decrease of hemoglobin level, quantity of erythrocytes and other appearances of intoxication. A test was conducted on 15 calves at a sovkhoz in Astrakhanskaya Oblast infested predominantly with Aedes vexans mosquitoes. In addition to the general reaction, a local inflammatory reaction was noted in the form of edema of the connective layer

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USSR/Zooparasitology - Mites and Insects as Disease Vectors. G.
Insects.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95343

of skin with perivascular infiltrations. An emulsion from the salivary glands of the mospuitoes, introduced into the calves intracutaneously, caused both a local and a general reaction. Repeated injections of the emulsion caused no sensitization of the organism. -- O.N. Sazonova

Card 2/2

ANDRIANOV, K.P., prof.; YANOVICH, G.I., kand.vetnauk; KUDRYAVTSEVA, G.A.; SOBOLEVA, R.G., kand.biol.nauk

New insect repellants for protecting people and animals from bloodsucking insects. Trudy VNIIVSE 13:152-172 '58.
(INSECT BAITS AND REPELLANTS) (MIRA 11:12)

KUDRYAVTSEVA, G. A.

15(2)
AUTHOR: Vargin, V.V.

SOV/72-58-12-22/23

TITLE: Conference on Enamels and Metal Enameling
(Soveshchaniye po emalyam i emalirovaniyu metallov)

PERIODICAL: Steklo i keramika, 1958, Nr 12, pp 47-48 (USSR)

ABSTRACT: The organizers of the conference were: Leningradskoye oblastnoye nauchno-tekhnicheskoye obshchestvo promyshlennosti stroitel'nykh materialov (Leningrad Oblast Scientific and Technical Society of the Industry of Building Materials); Leningradskiy sovnarkhoz (Leningrad Council of National Economy) and Leningradskiy tekhnologicheskiy institut imeni Lensoveta (LTI) (Leningrad Technological Institute imeni Lensovet (LTI). The program of the conference included: the most important problems of enamel synthesis, enameling of metal products and industrial apparatus. About 250 experts took part in the conference representatives from works in the UkrSSR, Ural, Novosibirsk, Ulan-Ude, Kuznetsk, Dzerzhinsk, as well as functionaries of the universities, of the scientific research and design institutes in Leningrad, Moscow, Novocherkassk, Dnepropetrovsk, Sverdlovsk, Riga, Khar'kov, and other towns. More than 40 reports were given and discussed. Professor K.S. Yevstrop'yev, director of the LTI imeni Lensovet, in his opening speech stressed the great economic importance of the problem of enameling

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metal products and apparatus.
Ye.I. Litvinova (LTI imeni Lensovet) reported on the influence of metal quality on the formation of "fish-scales" in enameling.
A.A. Appen, Institut khimii silikatov AN SSSR (Institute of Silicate Chemistry of the AS USSR), spoke on the present stage of the problems of calculating the properties of glass and enamels according to their composition.
N.V. Serebryakova (LTI imeni Lensovet) gave a survey of foreign literature on enamels and metal enameling.
M.N. Lifshits, Nauchno-issledovatel'skiy institut sanitarnoy tekhniki (Scientific Research Institute of Sanitary Engineering) reported on the enameling of products in the electric field of a corona discharge.

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I.G. Petrunya, Luganskiy zavod imeni Artema (Luganskiy Works imeni Artema) spoke of new types of enameled steel products made in this factory.
Yu.P. Nikitin, Ural'skiy politekhnicheskiy institut (Ural'skiy Polytechnical Institute) reported on the character of interaction between metals and melted enamels.
N.S. Smirnov, Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (Ural'skiy Scientific Research Institute of Ferrous Metals) reported on the influence of the condition of the steel surface on the formation of the enamel coat.
A.I. Borisenko, Institute of Silicate Chemistry of the AS USSR, spoke on the new method of obtaining thin silicate coats of semi-colloid solutions.
Ye.N. Podkletnov spoke on a new enameling method with heating of the products by high-frequency currents.
P.A. Rozhdestvenskiy, Lys'venskiy metallurgicheskiy zavod (Lys'venskiy Metallurgic Works) gave informations on new enamels used by the factory.
T.I. Polyubash, Novosibirskiy metallurgicheskiy zavod (Novosibirskiy Metallurgic Works) reported on the dependence of the moistening angle and the enamel deliquescence on the correlation of boric and con-boric silts.

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P.G. Paukah, Latviyskiy gosudarstvennyy universitet (Latvian State University) reported on the investigation of fritted prime enamels for coating cast iron.
V.Ya. Lokshin, Scientific Research Institute of Sanitary Engineering, spoke on the influence of chemical composition on some properties of easily fusible powder enamels.
By the LTI imeni Lensovet the following reports were given:
L.L. Ostorova on prime-less steel and aluminum enameling.
M.V. Serebryakova on non-plumbic silicate enamels for aluminum.
G.A. Kudryavtseva on slightly colored antimony enamels.
Ye.V. Mazurek on the investigation of a systematic series of oxides for obtaining blue and brown pigments.
The Novocherkassk Polytechnical Institute gave the following reports:
K.P. Azarov on new methods of enamel testing, and on the influence of iron oxide on the physico-chemical properties of the prime coat.
V.G. Zerin on the importance of the gas phase in the burning process of the prime coat.
Ye.N. Chistova on phosphate enamels.
Ye.I. Podreyzina on prime-less coats.
Collaborators of the Dnepropetrovsk Chemical-Technological Institute reported:
G.I. Belyayev on the acid content and basicity of enamels, and on

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the influence of the composition on some properties of prime enamels.
Yu.D. Barinov on the damping of enamels by antimony.
L.V. Purim, Leningradskiy khimiko-pishchevoy kombinat (Leningrad Chemical Foodstuff Kombinat) and S.I. So'ranik (NIIKhIMMASh) on the experiment of manufacturing enameled chemical apparatus of steel.
A.M. Semenova spoke on the causes of blistering of prime enamels at the Zaporozhskiy "Metiznyy" zavod (Zaporozh'ye "Metiznyy" Works) and the methods of preventing this fault.
V.I. Savchenko, Luganskiy Works imeni Artem, reported on the successful application of vibration grinding for crushing sand and non-boric enamel layers, as well as on the experiment of using white titanium enamels.
V.G. Zayev reported on the improvement in the burning technology of enamel coats in connection with the change-over of furnaces to gas, as well as on prospects of muffle-less burning.
V.A. Oborin reported on the work of the design office of the enamel manufacture at the Lys'venskiy Metallurgic Works.
D.I. Yegorov, representative of the State Office for Planned Economy on the planned production volume for the next years, as well as on the standard specifications of borax consumption provided.

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The members of the conference passed resolutions for obtaining an improvement in the quality of enameled products, as well as for increasing their production and creating a new technology and new production methods.

VARGIN, V.V.; SENDEROVICH, V.Ya.; KUDRYAVTSEVA, G.A.

Comparative characteristics of some titanium enamels.
Trudy LTI no.49:122-132 '58. (MIRA 15:5)
(Enamel and enameling)
(Titanium)

KUDRYAVTSEVA, G. A.

PHASE I BOOK EXPLOITATION SOV/6060

Vargin, V. V., Professor, ed.

Emalirovaniye metallicheskikh izdeliy (Enameling of Metal Articles). Moscow, Mashgiz, 1962. 546 p. Errata slip inserted. 7500 copies printed.

Reviewer: A. S. Ragozin, Engineer; Ed.: M. V. Serebryakova, Engineer; Eds. of Publishing House: I. A. Borodulina, A. I. Varkovetskaya, and T. L. Leykina; Tech. Ed.: L. V. Shchetinina; Managing Ed. for Literature on Machinery Manufacture (Leningrad Division, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for specialists in enameling, technical personnel of plants, and personnel of scientific research laboratories and institutes. It can also be used by teachers and students of schools of higher education.

COVERAGE: The book provides a brief discussion on raw materials and processes for melting enamels, describes in detail furnaces for melting enamels,

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and offers some recommendations for selection and calculation of furnaces. A special section [Ch. IV, sdct. 8] on heat-resistant coatings is included. A flowsheet is given for centralized production of enamels. The properties and preparation of slips are also comprehensively described. The production of new enameled products such as pipelines, architectural and building materials, and aluminum articles is described. Individual chapters were written both by plant personnel and by technical personnel of scientific research institutes and schools of higher eduction. [See: Table of Contents.] No personalities are mentioned. There are 638 references, mainly Soviet, with many English and some German.

TABLE OF CONTENTS [Abridged]:

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Enameling of Metal Articles (. . .) SOV/6060

AVAILABLE: Library of Congress
SUBJECT: Metals and Metallurgy

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BN/pw/jk
10-31-62

KUDRYAVTSEVA, G. I.

USSR.

Solubility diagrams for the systems ε-caprolactam–dichloroethane–water, ε-caprolactam–chloroform–water, ε-caprolactam–methylene chloride–water. G. I. Kudryavtseva and A. D. Krutikova. *J. Appl. Chem. U.S.S.R.* 26, 1120–3(1953)(Engl. translation); *Zhur. Priklad. Khim.* 26, 1190–4(1953).—For a low content (up to 10%) of caprolactam in the system ε-caprolactam–dichloroethane–water, its partition between water and dichloroethane is such that most of the lactam passes into the aq. layer. As the lactam concn. increases, the distribution is in favor of the org. solvent. In the system ε-caprolactam–chloroform–water, the distribution of the lactam favors the $CHCl_3$ layer immediately. However, as the $CHCl_3$ content of the original mixt. increases, the partition coeff. decreases. In the system ε-caprolactam–methylene chloride–water, the lactam concn. is greater in the methylene chloride layer than in the aq. layer. In contrast to $CHCl_3$, the partition coeff. increases with increasing content of the lactam in the mixt. Sidney Arden

All-Union Sci. Res. Inst. Artificial Fibres.

5.3610

77397
SOV/79-30-1-58/78

AUTHORS: Bogdanov, M. N., Kudryavtseva, G. I., Spirina, I. A.

TITLE: Synthesis and Polycondensation of p(Aminoethyl)phenylalkanecarboxylic Acids

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 1, pp 263-267 (USSR)

ABSTRACT: A series of new p-aminoethylphenylalkanecarboxylic acids was prepared and condensed to polyamides. This is a continuation of the authors' previously reported work (ZhOKh, 29, 986, 1959). The synthesis was made according to the following scheme:

$$C_6H_5(CH_2)_nCOOH \rightarrow ClCH_2C_6H_4(CH_2)_nCOOH \rightarrow CNCH_2C_6H_4(CH_2)_nCOOH \rightarrow$$
$$\rightarrow HCl \cdot NH_2(CH_2)_2C_6H_4(CH_2)_nCOOR \rightarrow NH_2(CH_2)_2C_6H_4(CH_2)_nCOOH.$$

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Synthesis and Polycondensation of p(Aminothyl) phenylalkanecarboxylic Acids

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SOV/79-30-1-58/78

Chloromethylation of the phenylalkanecarboxylic acids was made according to previously described procedure (M. N. Bogdanov, ZhOKh, 28, 1621, 1958). Hydrogenation of the p-cyanomethylphenylalkanecarboxylic acids was conducted according to the procedure described in: P. Ruggli, A. Businger, Helv. Chim. Acta, 25, 39 (1942). The following four acids were prepared for the first time: p-aminoethylphenylacetic acid (I), p-aminoethylphenylpropionic acid (II), p-aminoethylphenylbutyric acid (III), and p-aminoethylphenylvaleric acid (IV). The yields, compositions, and properties of the acids obtained are listed in Table 3. Some conditions of the polycondensation of the aminoacids and the properties of the polyamides are given in Table 4. There are 4 tables; and 4 references, 3 Soviet, 1 Swiss.

ASSOCIATION: All-Union Scientific Research Institute of Synthetic Fibers (Vsesoyuznyy nauchno issledovatel'skiy institut iskusstvennogo volokna)

SUBMITTED: January 2, 1959

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Synthesis and Polycondensation of p(Aminothyl) phenylalkanecarboxylic Acids

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Table 3. p-Aminoethylphenylalkanecarboxylic acids $NH_2(CH_2)_2C_6H_4(CH_2)_nCOOH$

Compound	n	Yield (%)	mp	Content (in %)					
				found			calculated		
				C	H	N	C	H	N
(I)	1	53	—	67.29, 67.24	7.17, 7.21	7.96, 7.68	67.02	7.37	7.82
(II)	2	68***	—	68.44, 68.06	8.12, 7.84	7.24, 7.18	68.37	7.82	7.24
(III)	3	50	—	69.56, 69.70	8.32, 8.15	6.95, 7.00	69.62	8.20	6.75
(IV)	4	53	199.0–199.5°	70.72, 70.49	8.47, 8.30	6.32, 6.27	70.60	8.59	6.33

** Since the temperature, at which polycondensation of (I), (II), and (III) in the solid phase begins is lower than their mp the latter cannot be determined.

*** The acid is readily soluble in aqueous alcohols; therefore, aqueous acetone was used for its crystallization.

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Synthesis and Polycondensation of p(Aminothyl) phenylalkanecarboxylic Acids

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Table 4. Properties of polyamides prepared from p-amino-alkylphenylalkanecarboxylic acids

(a)	(b)	(c) (d)	(c) (e)	(f) (g)	(f) (h)	(f) (i)	(f) (j)	(f) (k)
(I)	$NH_2(CH_2)_2C_6H_4CH_2COOH$	290° / 305	90 / 30	(l)	279—283°	0.60 / 0.45	(p)	(n)
(II)	$NH_2(CH_2)_2C_6H_4(CH_2)_2COOH$	310 / 320	120 / 60+60**	(m)	375—382 (разл.)	2.42 / 3.17	(q)	(s)
(III)	$NH_2(CH_2)_2C_6H_4(CH_2)_3COOH$	200 / 300	1020 / 60	(n)	222—324	1.16 / 0.56	(p)	(n)
(IV)	$NH_2(CH_2)_2C_6H_4(CH_2)_4COOH$	265 / 290	120 / 60	(o)	273—275	2.10 / 0.92	(p)	(r)

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Key to Table 4: (a) Compound; (b) Formula of aminoacid; (c) Conditions of polycondensation; (d) Temperature; (e) Time (in minutes); (f) Properties of polyamides; (g) Character of the product; (h) Melting point; (i) Viscosity of the solution; (j) Solubility in aromatic alcohols; (k) Ability to form fibers from melt; (l) White, horny, stable; (m) White fused grains; (n) White powder/White, horny, strong; (o) White fused grains/ White, horny, strong; (p) Soluble; (q) Soluble only in concentrated sulfuric acid; (r) Strong fibers; (s) weak fibers; * for the polyamides of (I), (III), and (IV) the specific viscosity was determined for its 0.5% solution in tricresol; for (II) the relative viscosity was determined for a 1% solution of the polymer in concentrated sulfuric acid; ** heated under vacuum (2 mm).

AUTHOR: Kudryavtseva, G. I., Engineer (Moscow) 105-58-6-11/33

TITLE: High-Speed Magnetic Amplifier for Servo Systems (Bystrodeystvuyushchiy magnitnyy usilitel' dlya sledyashchikh sistem)

PERIODICAL: Elektrichestvo, 1958, Nr 6, pp. 41-47 (USSR)

ABSTRACT: The author investigated the scheme of the Lufcy-type (Reference 1 and 2) and elaborated a method of calculation for the case of an effective load with a control by means of an alternating- and half-wave-voltage with synchronous frequency. The description of the operation of the circuit and the calculation of the amplifier with unknown dimensions of the cores is given in two chapters. The following is stated on the strength of these explanations: 1) The theoretical investigations resulted in a clear idea on the physical processes in the amplifier circuit, they made it possible to explain the operation of the same correctly, to clear the influence of the individual parameters and to elaborate a method of calculation. 2) The test results have shown that the present circuit

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